

Property Information Sheet



Name and Address

Clare and Oscar
1 Park Avenue,
New Street,
Shrewsbury,
SY3 8JG

Property Description

Semi-detached solid brick property built in 1910. Extensive retrofit with new extensions.

What changes have you made to your home / what green features did your home come with?

New solid floor with underfloor heating (wet system) and maximum insulation given existing footings, internal woodfibre insulation and lime plaster to all external walls, a mix of double and triple glazed timber windows, refurbished front door, parge coat/airtightness membrane/tapes throughout existing building including ceilings, insulated loft between and under rafters on pitched ceiling areas, 2 new extensions, new heating system via Mechanical Ventilation with Heat Recovery (MVHR), electric vehicle (EV) charging, 3.6kW solar photovoltaic (PV) panel array with 5kW battery installed to side and rear extensions. We chose not to install the solar PV panels on the front facing southwest facade for aesthetic reasons.

Why did you make these changes / choose a home with these features?

We made changes to improve thermal comfort and reduce the environmental impact of the original house. Our home needed a complete upgrade therefore it was the right time to retrofit.

What were the approximate costs of each of the changes you made?

As largely self-built a lot of the costs have not been calculated yet. The MVHR cost approximately £5,000 whilst the solar PV was £10,000.

What have been the approximate energy savings?

Our heating and hot water demand has significantly reduced following extensions and retrofitting. Before any work started, our demand was 14,000kWh.

Property Information Sheet continued...



What have been the benefits to you / your home?

Our home is now very comfortable as we are able to control humidity and our home is much warmer and less draughty.

Who undertook the work?

Largely self-built extensions and retrofitting with the help of specialist individual subcontractors; roofers, plumber, electrician and conservation bricklayer.

Would you recommend them?

Yes definitely.

What else would you like to do?

We would like a green roof.

Have you considered any measures but rejected them? Please give details of what and why.

We ruled out having an air source heat pump (ASHP) for a host of reasons. We may reconsider installing an ASHP in time.

Any further comments?

The rear studio was built to Passivhaus principles.

Visiting instructions / information

Our home is behind the Boathouse Pub and can be accessed easily via footbridge from the Quarry. Only cycle parking is available.